



***Joint Experimentation & Modernization  
From Today's Concepts to Tomorrow's Capabilities***

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# ***USJFCOM Mission***

*Joint Concept Development and Experimentation*



*As the **Chief Advocate for Jointness**, USJFCOM maximizes the Nation's **future and present** military capabilities through joint concept development and experimentation, recommending joint requirements, advancing interoperability, conducting joint training and providing ready CONUS-based forces and capabilities to support other CINCs, the Atlantic Theater, and domestic requirements.*



# *So What Does That Mean?*

## *Joint Concept Development and Experimentation*



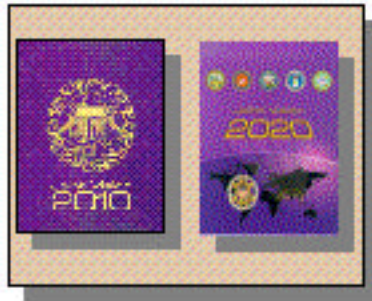
- **Acting as the Executive Agent for the SECDEF on Joint Concept Development and Experimentation**

- Serves as *advocate* for the joint war-fighters
- Develop a *common joint context* for future operations
- Develop new *joint operational concepts* for future operations
- *Synchronize and synthesize* the efforts of the Department (CINCs, Services, Agencies)
- *Conduct experiments* to assess concepts
- Produce *recommendations* for the SECDEF on doctrine, organization, training, material, leadership, personnel and facilities

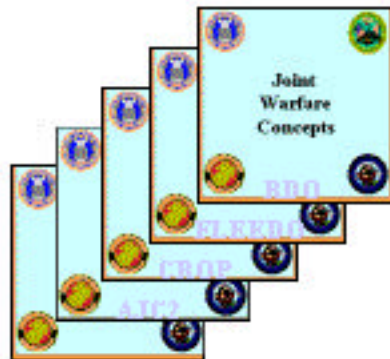
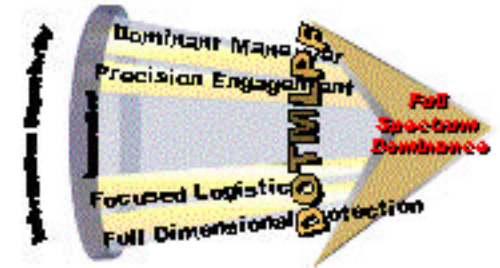


# Joint Concept Development and Experimentation

Joint Concept Development and Experimentation



Provide the compelling vision of the **operational capabilities** of the future joint force



New concepts describe how the **future joint force** envisioned by *JV2020* will operate



The Future



Service experiments determine how well future service capabilities work

Joint experiments determine how well service capabilities work **together**





# *A Balanced Joint Experimentation Program*

## *Joint Concept Development and Experimentation*



### **Maintain current dominance**

*Enhance the capabilities of the current forces by quickly identifying innovative and **current operational concepts**, evaluating their potential and applying **off-the-shelf solutions**.*

**Enhancement**  
**Better kit**

**Evolutionary**  
**Better ways**

### **Actualize joint vision**

*Achieve and maintain full spectrum dominance with the Joint Vision Force through JE with **evolutionary concepts***

**Transformation**

**Different Ways**

### **Dominate the RMA**

*Through bold thinking, Shape America's Joint Force after Next (JFAN) by developing and exploring **revolutionary concepts**.*



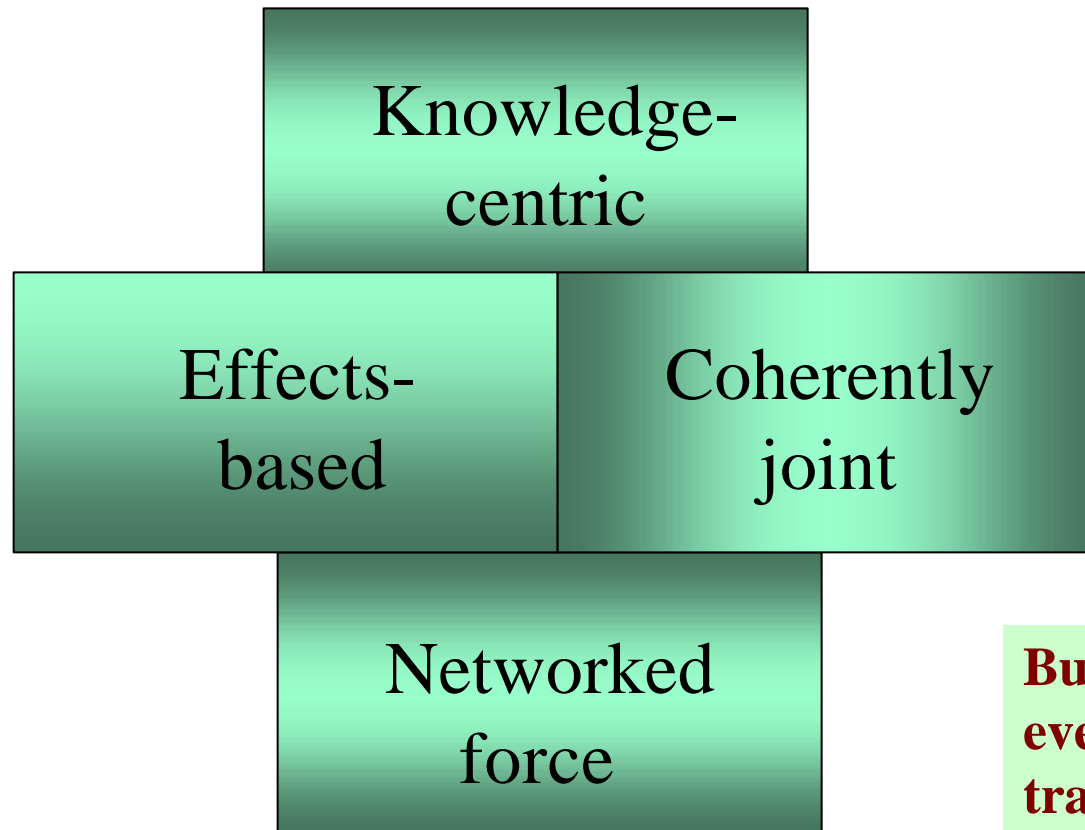


# *Capstone Elements of Future Joint Operations*

*Joint Concept Development and Experimentation*



**Knowledge : Mass**



**Focused on  
impact, not  
means**

**Joint  
precedes  
Service**

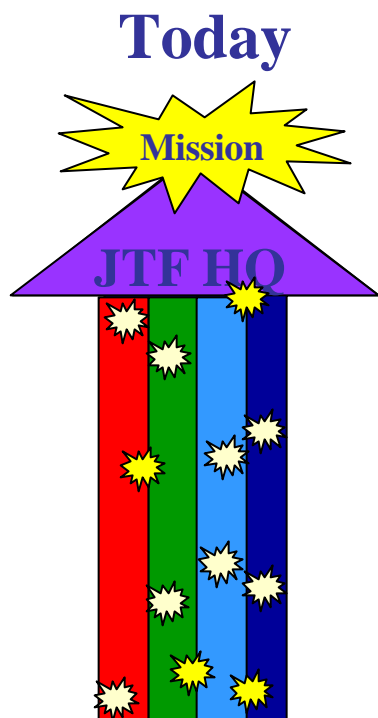
**Collaborative, not hierarchal  
Inter-dependent, not stove-piped**

**But, "...although  
everybody wants  
transformation,  
nobody wants to  
change."**

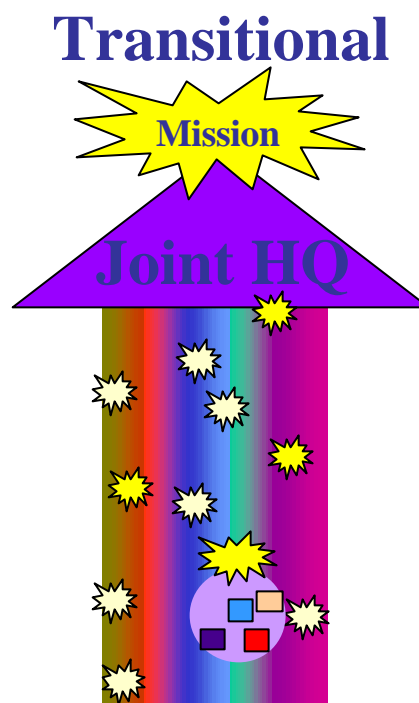


# *Transforming Jointness*

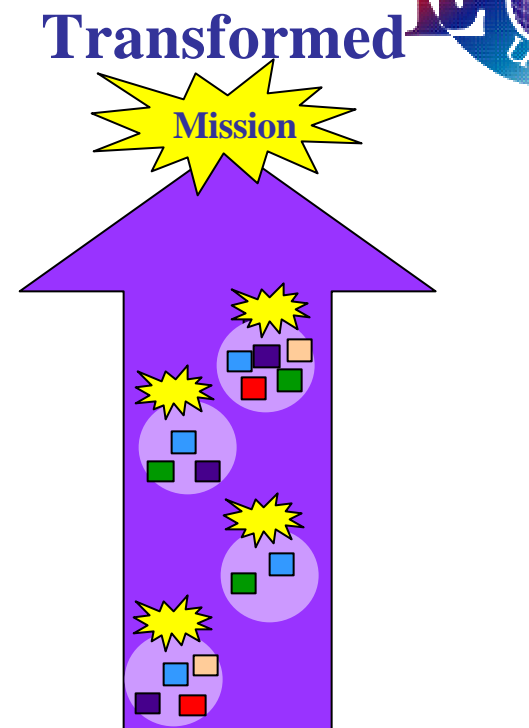
*Joint Concept Development and Experimentation*



**Jointness = deconfliction**



**Jointness = HQ integration**



**Jointness = force integration**



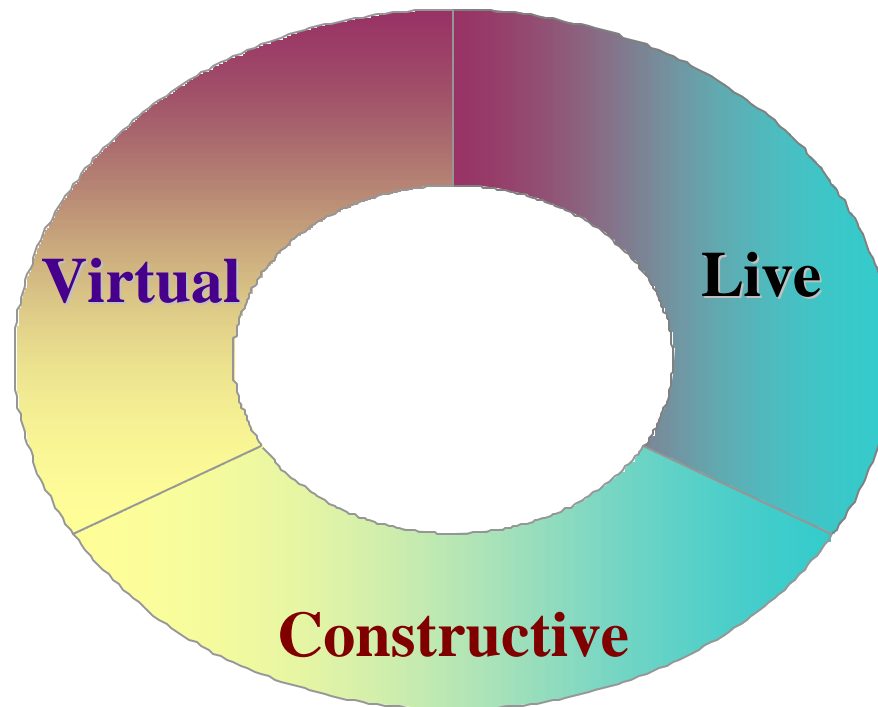


# *An Integrated Synthetic Environment*

*Joint Concept Development and Experimentation*



**Develop effective  
joint command  
and control  
processes and  
organizations  
using humans in  
the simulations  
loop**



**Validate findings  
using live forces  
with prototypical  
capabilities in  
real time and  
space before  
fielding decisions**

**Evaluate combinations of  
capabilities across the  
spectrum of operations  
using powerful  
constructive models**



# Experimentation Strategy

*Joint Concept Development and Experimentation*



**Rapid Decisive Operations**  
*this decade*

Enhance today's  
capabilities

**Rapid Decisive Operations**  
*next decade*

Guide development of  
tomorrows capability

**Investigate doctrinal change**

**Explore organizational change**

**Stimulate leader development**

**Develop training**

Materiel

Personnel

Facilities

Unified  
Vision 2001

Millennium  
Challenge 2002

Olympic Vision 2002  
Unified Vision 2003

Olympic  
Challenge 2004



# *What Paradigms Change?*

*Joint Concept Development and Experimentation*



- Services build to a common joint context
- CINCs have a role in shaping future force
- “Try before buy” construct
- Major decisions based on empirically derived results, not consensus
- Collaborative concept development



*Joint Concept Development and Experimentation*



# USJFCOM Industry Days

## 12-13 June, 2001

**For more information, go to <http://www.je.jfcom.mil>  
or contact LtCol Michelle Atchison at (757) 836-2855**